

at 9AM carried Project No. \_\_\_\_\_  
90 out of Frederick Book No. \_\_\_\_\_

TITLE

Repeat unit assay QC for vTaq  
lot # EKBT1 done on P 61 (4/29/94)  
amplif. lot # 9957 for control

Fr m Page No. \_\_\_\_\_

lot EKBT1 is ~ 401 n/pL based on P 61

1. starting dilutions of EKBT1

1:80 (estimate Cf = 5 nA)

50  $\mu$ l

Tag storage  
buffer

385  $\mu$ l

actual is 4.03 nA

Vf = 400  $\mu$ l

1:160 (estimate Cf = 2.5 nA)

5  $\mu$ l

795  $\mu$ l

actual is 2.01 nA

Vf = 800  $\mu$ l

2. 1/600 dilutions

serial dilution # 1-6 7-12 13-18 19-24 25-30 31-36 37-42 43-48 49-54

I II III IV V VI A-1 A-2 A-3

1:80 dil.

3 3 3

3 3 3

3 3 3

1:160 dil

3 3 3

3 3 3

Amplif. 5 nA

Vortex 5 s

Dilution buffer

1797  $\mu$ l

use from 20 and 40 ml

Vf = 2000  $\mu$ l  
1700  $\mu$ l

dilute I - A-3 as shown for I below

3. Serial dilutions

Dilution  
buffer

serial dilution # 1 100  $\lambda$  7300  $\lambda$   
2 100  $\lambda$  7300  $\lambda$   
3 100  $\lambda$  7300  $\lambda$   
4 100  $\lambda$  7300  $\lambda$   
5 100  $\lambda$  7300  $\lambda$   
6 1mL of I 7300  $\lambda$

dilute I - III and assay  
then dilute IV - VI and assay  
then dilute A-1 - A-3 and assay

SA I - III = 45  $\mu$ l assay mix + 5  $\mu$ l dil buffer, do same for IV - VI

spot 4x 5  $\mu$ l on 6FC in one aquasol

Blank is 45  $\mu$ l assay mix + 5  $\mu$ l dil buffer - spot on 6FC along with other T Pag

Witnessed & Understood by me,

Devereaux Polk

Date

6/15/94

Invented by

Recorded by

Date

11-15-94

age No. \_\_\_\_\_

# 55-57 = Blush for I-III, IV-VI and A1-A3 respectively

58-61 = SA for I-III

62-65 = SA for IV-VI

## Results:

using amplifast lot #9957 here gives a unit value of ~~320 u/ml~~ 323.4 u/ml compared to 401 u/ml (found on P61, 10-1-94)

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ssed &amp; Understood by me,

Dat

1/6/95

Invented by

Rec rded by

Date

10-15-94